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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/852,360	05/09/2001	Gopikrishna T. Kumar	10007291-1	4719

7590 03/15/2005  
HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
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EXAMINER

WILLIAMS, JEFFERY L

ART UNIT	PAPER NUMBER
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2137

DATE MAILED: 03/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/852,360

Applicant(s)

KUMAR ET AL.

Examiner

Jeffery Williams

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 15 November 2004.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 09 May 2001 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## 2

### 3 Response to Arguments

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5           Applicant's arguments filed 11/15/2004 have been fully considered but  
6   they are not persuasive.

7

8 Regarding Applicant's response to the rejection of claim 1, the applicant  
9 states: *"Those skilled in the art understand that session identifiers and security*  
10 *keys are used for different purposes, and security keys are not suggestive of*  
11 *session identifiers. Thus, in addition to failing to show that Aziz teaches the*  
12 *various claim limitations of and related to the use of session identifiers as*  
13 *explained below, the Office Action fails to show any teaching of session*  
14 *identifiers"* (page 6, par. 4). Examiner respectfully asserts that Aziz et al. (Aziz)  
15 does teach the various claim limitations of and related to the use of session  
16 identifiers through the use of session keys. Both a session key and its encrypted  
17 product are inherently coupled to the session of communication within which they  
18 are employed. One particular session of communication, out of many sessions,  
19 may be identified by the product of the key and the encrypted communications.  
20 Thus, a session key and its encrypted product of a session are session  
21 identifiers. Applicant has not acted as his own lexicographer, urging a particular  
22 definition of session identifiers that would exclude the using of session keys  
23 along with their corresponding encryptions to identify a session.

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1           Applicant also responds to the rejection of claim 1, stating: *"Thus, the*  
2 *gateway module transmits back to the application program the second session*  
3 *identifiers that the application program established for the first session identifiers*  
4 *provided by the gateway module for the mobile devices. None of the cited*  
5 *sections of Aziz teach these and the related limitations"* (page 6, par.5).  
6 Examiner respectfully points out that session refreshing/resumption procedures  
7 are initiated between the relay (gateway) and server (application program), such  
8 as when in response to subsequent communications from the mobile device  
9 (client). These refreshing/resumption procedures include the sending the second  
10 session identifiers (keys or their associated encrypted products) from the  
11 gateway to the application program (Aziz, col. 2, lines 56-65; col. 8, lines 28-32,  
12 48-56). Thus, Applicants response to the rejection of claim 1 is not persuasive  
13 because Aziz does teach the limitations *"transmitting from the gateway module to*  
14 *the application program the second session identifiers that are associated with*  
15 *the first session identifiers of the mobile devices of the subsequent*  
16 *communications."*

17

18           Regarding Applicant's response to the rejections of claims 2 - 5, and 10-  
19 13 it is not persuasive for the same reason provided for claim 1.

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3 Applicant's arguments, see page 8, line1, filed 11/15/2004, with respect to  
4 the rejections of claims 6 – 9 under 35 U.S.C. 102(a) as being anticipated by Aziz  
5 et al., have been fully considered and are persuasive. Therefore, the rejection  
6 has been withdrawn. However, upon further consideration, a new ground(s) of  
7 rejection is made in view of:

8

9 **Claims 6 – 9 are rejected under 35 U.S.C. 103(a) as being unpatentable**  
10 **over Aziz et al., “Method and Apparatus for Providing Secure Communication**  
11 **with a Relay in a Network”, U.S. Patent 6,643,701 in view of Sparks et al.,**  
12 **“Design and Production of Print Advertising and Commercial Display Materials**  
13 **Over the Internet”, U.S. Patent 6,167,382.**

14 Aziz discloses a generic system for establishing communications between  
15 a client and a server via a gateway (Aziz, figs. 2 and 6). The client and server  
16 each establish a secure session connection with an intervening relay. The relay  
17 then enables communications between the client and the server. Aziz, discloses  
18 that this system is used as an improvement to various publicly available systems  
19 such as electronic commerce and shopping systems where the authentication  
20 and encryption of information is necessary (Aziz, col. 1, lines 42-47; col. 3, lines  
21 1,2). However, it was not the purpose of Aziz to discuss the methods and  
22 features specific to the e-commerce and shopping systems. Thus, Aziz does not

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1 disclose methods such as receiving checkout requests, transmitting payment  
2 options, or using wallet identifiers.

3 Sparks discloses a system that features the electronic commerce methods  
4 of receiving checkout requests, transmitting payment options, and using wallet  
5 identifiers (Sparks, col. 2, lines 36-49; col. 17, lines 12-26).

6 It would have been obvious to one of ordinary skill in the art to combine  
7 electronic commerce features, such as those disclosed by Sparks, with the  
8 generic system of Aziz for establishing communications because it is obvious  
9 that a generic system designed to enhance electronic commerce (Aziz, col. 1,  
10 lines 42-47) would need to features to enable electronic commerce.

11

12 Regarding claim 6, the combination of Aziz and Sparks disclose:

13 *receiving checkout requests from the wireless communication devices at*  
14 *the gateway module and transferring the checkout requests to a wallet module*  
15 *that manages user authentication (Sparks, col. 2, lines 36-49);*

16 *when a user at a wireless communications device has logged-in to the*  
17 *wallet module, transmitting payment options from the wallet module to the*  
18 *wireless communications device in response to a checkout request from the*  
19 *wireless communications device (Sparks, figs. 3, 4, 9, 59, 60);*

20 *when a user at a wireless communications device has not logged-in to the*  
21 *wallet module, transmitting a log-in prompt from the wallet module to the wireless*  
22 *communications device in response to a checkout request from the wireless*  
23 *communications device (Sparks, figs. 3, 4).*

1

2           Regarding claim 7, the combination of Aziz and Sparks disclose:

3           *generating at the wallet module respective wallet session identifiers for the*  
4   *wireless session identifiers and associating the wallet session identifiers with*  
5   *corresponding wireless session identifiers in a wallet session identifier table*  
6   (Sparks, figs. 21 – 23).

7

8           Regarding claim 8, the combination of Aziz and Sparks disclose:

9           *in response to a payment request from a wireless communications device,*  
10   *transmitting the payment request from the gateway module to the merchant*  
11   *application* (Sparks, col. 10, lines 37-64; Aziz, fig. 2);

12           *disassociating the wireless session identifier from the corresponding*  
13   *merchant session identifier* (Aziz, col. 2, lines 57-67; col. 6, lines 45-55). Unless  
14   session resumption procedures have been initiated by the client or the server,  
15   the session identifiers of the client are not re-associated with the corresponding  
16   session identifiers of the server, therefore, they are disassociated.

17           *generating a new wireless session identifier for the wireless*  
18   *communications device when another initial request is received from the wireless*  
19   *communications device* (Aziz, col. 6, lines 45-55). New sessions can be  
20   requested by the client.

21

22           Regarding claim 9, the combination of Aziz and Sparks implies *clearing*  
23   *inactive entries from the wallet session identifier table*. Electronic systems are

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1 not limitless in means for storage and operation. If unnecessary information was  
2 never cleared from memory, eventually such systems would reach their limits of  
3 storage. Therefore, it would have been obvious to one of ordinary skill in the art  
4 to clear inactive entries from the table in order to free and efficiently use a limited  
5 amount of memory.

### 6 7 8 **Conclusion**

9  
10 Claims 1 – 13 are pending.

11  
12 Any inquiry concerning this communication or earlier communications from  
13 the examiner should be directed to Jeffery Williams whose telephone number is  
14 (571) 272-7965. The examiner can normally be reached on 8:30-5:00.

15 If attempts to reach the examiner by telephone are unsuccessful, the  
16 examiner's supervisor, Andrew Caldwell can be reached on (571) 272-3868. The  
17 fax phone number for the organization where this application or proceeding is  
18 assigned is 703-872-9306.



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1 Information regarding the status of an application may be obtained from  
2 the Patent Application Information Retrieval (PAIR) system. Status information  
3 for published applications may be obtained from either Private PAIR or Public  
4 PAIR. Status information for unpublished applications is available through  
5 Private PAIR only. For more information about the PAIR system, see [http://pair-](http://pair-direct.uspto.gov)  
6 [direct.uspto.gov](http://pair-direct.uspto.gov). Should you have questions on access to the Private PAIR  
7 system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-  
8 free).

9  
10 

ANDREW CALDWELL  
SUPERVISORY PATENT EXAMINER